

IN THE CLAIMS:

1. (Currently Amended) A brush holder device for use in a small-size motor including a brush arm connected at one end to an input terminal for external electrical connection and supporting at an opposite end a brush, comprising:

a brush including an integrally formed engagement portion;

a brush arm having an engagement hole formed therein, the engagement hole assuming substantially the same shape as that of the engagement portion of said brush, and including brush arm brush contact portions located at laterally opposite edges of the engagement hole; and

a holder having an engagement hole formed therein and holder brush contact portions formed via bending, said holder being made of a material having lower spring properties than said brush arm, the engagement hole assuming substantially the same shape as that of the engagement portion of said brush, said holder being fixed to said brush arm such that the engagement hole of said holder is aligned with the engagement hole of said brush arm, said brush arm brush contact portions extending through said engagement ~~holder~~ hole of said holder, whereby one of said brush arm contact portions is adjacent one of said holder brush contact portions;

wherein said holder brush contact portions are formed on said holder along opposite edges defining said engagement hole of said holder, one edge of said holder being opposite another edge of said holder in a longitudinal direction of said brush arm, said engagement portion of said brush being press-fitted into the engagement holes of said holder and said brush

arm, whereby said engagement portion of said bush is fixed to said holder and said brush arm via said holder brush contact portions and said brush arm brush contact portions.

2. (Canceled)

3. (Previously Presented) A brush holder device for use in a small-size motor according to claim 1, wherein said holder includes fins formed through bending along opposite ends thereof, the ends being opposite in a longitudinal direction of said brush arm.

4. (Currently Amended) A brush holder device, comprising:

a brush including an integrally formed engagement portion having a first side, a second side, a third side and a fourth side;

a brush arm having a defined engagement hole, said engagement hole having substantially the same shape as that of said engagement portion of said brush, said brush arm including a first brush contact portion located at one edge defining said engagement hole and a second brush contact portion located at another edge defining said engagement hole, said first brush contact portion being opposite said second brush contact portion, said first brush contact portion and said second brush contact portion extending in a longitudinal direction of said brush arm; and

a holder having a defined brush receiving hole, said ~~[[bush]]~~ brush receiving hole having substantially the same shape as that of the engagement portion of said brush, said holder

including a third brush contact portion located at an edge defining said ~~[[bush]]~~ brush receiving hole and a fourth brush contact portion located at another edge defining said ~~[[bush]]~~ brush receiving hole, said third brush contact portion being opposite said fourth brush contact portion in a longitudinal direction of said brush arm, said holder being connected to said brush arm such that said engagement hole aligns with said brush receiving hole and said first brush contact portion and said second brush contact portion of said brush arm extends through said brush receiving hole, said engagement portion of said brush extending through said engagement hole and said ~~[[bush]]~~ brush receiving hole such that said first brush contact portion engages said first side of said brush, said second brush contact surface engages said second side of said brush, said third brush contact portion engages said third side of said brush and said fourth brush contact portion engages said fourth side of said brush, second, third and fourth brush contact portions engage said engagement portion, whereby said brush is connected to said holder and said brush arm.

5. (Previously Presented) A brush holder device according to claim 4, wherein said holder includes fins formed through bending along opposite ends thereof, the ends being opposite along a longitudinal direction of said brush arm.

6. (Currently Amended) A brush holder device, comprising:

a brush including an integrally formed engagement portion;

a first brush mounting element having a defined engagement hole, said engagement hole

having substantially the same shape as that of said engagement portion of said brush, said first
5 brush mounting element including a first brush contact portion located at one edge defining said
engagement hole and a second brush contact portion located at another edge defining said
engagement hole, said first brush contact portion being opposite said second brush contact
portion; and

a second brush mounting element having a defined brush receiving hole, said [[brush]]
10 brush receiving hole having substantially the same shape as that of the engagement portion of
said brush, said second brush mounting element including a third brush contact portion located
at an edge defining said [[brush]] brush receiving hole and a fourth brush contact portion located
at another edge defining said [[brush]] brush receiving hole, said third brush contact portion
being opposite said fourth brush contact portion, said third brush contact portion and said
15 fourth brush contact portion defining a longitudinal length of said brush receiving hole of said
second brush mounting element, said first brush contact portion and said second brush contact
portion of said first brush mounting element having a length corresponding to said longitudinal
length of said brush receiving hole of said second brush mounting element, said holder first
brush mounting element being connected to said brush-arm second brush mounting element
20 such that said engagement hole is in alignment with said brush receiving hole, said first brush
contact portion and said second brush contact portion extending through said brush receiving
hole, said engagement portion of said brush extending through said engagement hole and said
[[brush]] brush receiving hole such that said first, second, third and fourth brush contact portions
are in direct contact with said engagement portion, whereby said brush is connected to said

25 holder and said brush arm via said first, second, third and fourth brush contact portions.

7. (Previously Presented) A brush holder device according to claim 6, wherein said holder includes fins formed through bending along opposite ends thereof, the ends being opposite along a longitudinal direction of said brush arm.

8. (New) A brush holder device, comprising:

a brush including an integrally formed engagement portion;

a brush arm having a first engagement hole formed therein, said first engagement hole having substantially the same shape as that of said engagement portion of said brush; and

5 a holder having a second engagement hole formed therein, said holder being made of a material having a first modulus of elasticity, said brush arm being composed of another material having a second modulus of elasticity, said first modulus of elasticity being greater than said second modulus of elasticity, said second engagement hole having substantially the same shape as that of said engagement portion of said brush, wherein said holder is fixedly attached
10 to said brush arm such that said first engagement hole of said holder is aligned with said second engagement hole of brush arm.

9. (New) A brush holder device according to claim 8, wherein said brush arm includes brush contact portions located at laterally opposite edges of said second engagement hole, and said holder includes brush contact portions located at longitudinal opposite edges of said first

engagement hole of said holder.

10. (New) A brush holder device according to claim 8, wherein said holder is formed of a thicker sheet than that of said brush arm.

11. (New) A brush holder device according to claim 9, wherein said holder includes fins formed through bending along opposite ends thereof, said ends being opposite in a longitudinal direction of said brush arm.

12. (New) A brush holder device according to claim 9, wherein said holder is formed of a thicker sheet than that of said brush arm.

13. (New) A brush holder device according to claim 12, wherein said holder includes fins formed through bending along opposite ends thereof, said ends being located opposite in a longitudinal direction of said brush arm.

14. (New) A brush holder device according to claim 4, wherein said first brush contact portion and said second brush contact portion of said brush arm have a length corresponding to a longitudinal length of said brush receiving hole of said holder.

15. (New) A brush holder device according to claim 4, wherein said holder is composed

of a material having a first modulus of elasticity, said brush arm being composed of another material having a second modulus of elasticity, said first modulus of elasticity being greater than said second modulus of elasticity.

16. (New) A brush holder device according to claim 14, wherein said holder is composed of a material having a first modulus of elasticity, said brush arm being composed of another material having a second modulus of elasticity, said first modulus of elasticity being greater than said second modulus of elasticity.

17. (New) A brush holder device according to claim 6, wherein said first brush mounting element is composed of a material having a first modulus of elasticity, said second brush mounting being composed of another material having a second modulus of elasticity, said second modulus of elasticity being greater than first second modulus of elasticity.

18. (New) A brush holder device according to claim 4, wherein said holder has a thickness that is greater than a thickness of said brush arm.

19. (New) A brush holder device according to claim 6, wherein said second brush mounting element has a thickness that is greater than a thickness of said first brush mounting element.